Perpetual Calendar

Create a magnetic puzzle calendar that transforms for every day of the year.

Kit contains:

- 1 calendar base
- 3 calendar frame pieces
- 2 skinny strips of magnet
- 2 round magnets
- 2 silver stars

You will need: scissors and glue.

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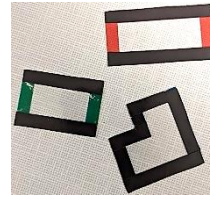
INSTRUCTIONS

Step 1. Cut out the three calendar frame pieces.

Step 2. Cut the skinny strips of magnets into pieces and stick them over the colorful outlines of the frames. Trim as needed. Note that the frames do not need to be completely covered in magnets to work.

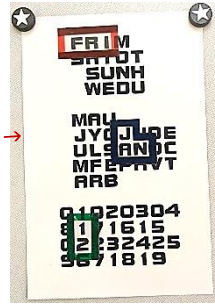


Step 3. Improve your plain round magnets by gluing a shiny silver star onto each one.

Step 4. Activate calendar! Attach the calendar base to a refrigerator or locker with the round magnets. Use the red frame to outline the correct day of the week. Use the blue frame to outline the month. Use the green frame to outline the numeric date. (**Note:** Single digits are given a leading 0, so you 5 would look like “05”.)

Source: instructables.com/Perpetual-Puzzle-Calendar/

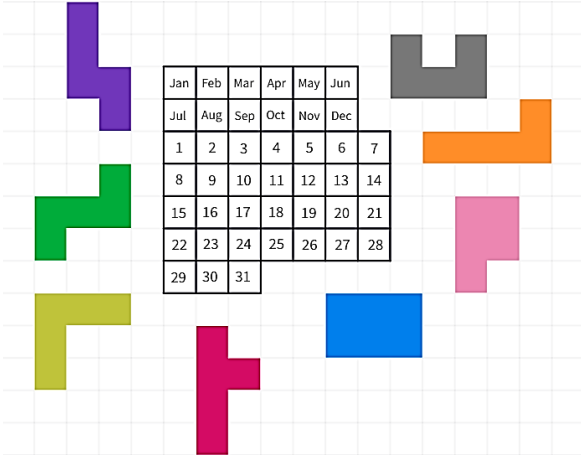
Your perpetual calendar works for every day of the year. You can treat each day like a new puzzle!



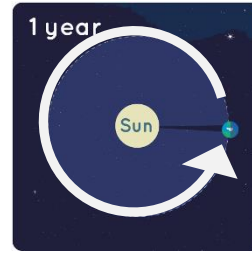
Speaking of daily puzzles...

There is a super-challenging calendar puzzle available on Mathigon. Use the 8 pieces to cover every square *except* for the current month and date. Give it a try if you dare!

https://mathigon.org/task/puzzle-of-the-day



HOW LONG IS A YEAR?



A year is the amount of time it take a planet to orbit its star one time. In our solar system, this star is the Sun!

On Earth, a day—the amount of time it takes the planet to rotate on its axis—is about 24 hours. Earth takes approximately 365 days and 6 hours (365 ¼ days) to orbit the Sun. Most years, we round this number down to 365. However, the hours we ignore add up! Every four years, we have Leap Day on February 29 to balance out the calendar.

Year	Days in Calendar Year	Total Missing Time
2021	365	6 hours
2022	365	12 hours
2023	365	18 hours
2024	365 + 1 = 366	24 hours = 1 day

Reset!

https://spaceplace.nasa.gov/leap-year/en/